

Construction Lab Technician

Certifications Matrix Showing Certifications Required to Receive Permanent Status to the Following Grades

Laboratory Technician Name: _____ Current Grade: _____

Tr. Engineer Worker (S1)			Tr. Construction Tech. I (S4)		Tr. Construction Tech. II (S5)		Tr. Construction Tech. III (S6)		Tr. Construction Tech. IV (S7)		Tr. Engineer Specialist (S9)	
Proficiency in 50% of the tests Required for ATI Soils/Agg certification (All Labs) *	R		ATI Soils/Agg certification (All Labs) CRT3401		ATI Soils/Agg certification (All Labs) CRT3401		ATI Soils/Agg certification (1,2,3,4,6,7) CRT3401		ATI Soils/Agg certification (1,2,3,4,6,7) CRT3401		ATI Soils/Agg certification (3,6) CRT3401	
	T											
	C											
Daily Diary Documentation (1) TCH3058	R				ATI Asphalt Certification (1) CRT3402		ATI Asphalt Certification (1,2,3,5,6) CRT3402		ATI Asphalt Certification (1,2,3,5,6) CRT3402		ATI Asphalt Certification (3,6) CRT3402	
	T											
	C											
	R				ACI Concrete Strength Testing Certification (1) CRT3412		ACI Concrete Strength Testing Certification (1,2,6,7) CRT3412		ACI Concrete Strength Testing Certification (1,2,6,7) CRT3412		ACI Concrete Strength Testing Certification (6) CRT3412	
	T											
	C											
	R				ACI Field Technician Grade 1 Certification (1) CRT3410		ACI Field Technician Grade 1 Certification (1,6,7) CRT3410		ACI Field Technician Grade 1 Certification (1,2,6,7) CRT3410		ACI Field Technician Grade 1 Certification (6) CRT3410	
	T											
	C											
Introductory Applied Math (All Labs) TCH3015	R		Intermediate Applied Math (All Labs) TCH3016		Advanced Applied Math (All Labs) TCH3017		Demonstrate Proficiency in PG Binder Testing (5)		ATI Field Technician Certification (2,6) CRT3400		ATI Field Technician Certification (6) CRT3400	
	T											
	C											
Basic Work Zone Safety (All Labs) TCH3004	R		Introduction to Partnering (All Labs) GEN5179		Advanced Work Zone Safety (All Labs) TCH3005		Demonstrate Proficiency in Asphalt Rubber Testing (5)					
	T											
	C											
	R						Demonstrate Proficiency in Asphalt Emulsion Testing (5)		Applied Construction Statistics (All Labs) TCH3010			
	T											
	C											
	R						Coaching Techniques (All Labs) TCH3316		Coach for 2 Certifications (All Labs)		Coach All Applicable Certifications (All Labs)	
	T											
	C											

Note: All elements in prior grades required to receive permanent status. (if applicable).

Qualification to coach requires certification in corresponding module.

* Proficiency required in the following test procedures

R = Registered T = Training Completed C = Passed Certification for the S1 classification:

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|------------------------------|---------------------------------------|----------|--------------|
| 1. Project and Area Labs | 5. Central Lab (Liquid Asphalt) | ARIZ 201 | ARIZ 245 |
| 2. Regional Labs | 6. Central Lab (Quality Assurance) | ARIZ 210 | AASHTO T89 |
| 3. Central Lab (Mix Design) | 7. Central Lab (Structural Materials) | ARIZ 211 | AASHTO T90 |
| 4. Central Lab (Soils & Agg) | | ARIZ 225 | AASHTO T 176 |

May 1, 2007